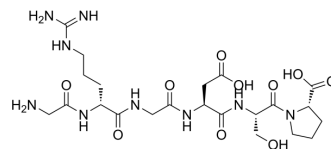


G-{d-Arg}-GDSP

Cat. No.:	HY-P3530
CAS No.:	111844-21-4
Molecular Formula:	C ₂₂ H ₃₇ N ₉ O ₁₀
Molecular Weight:	587.58
Sequence Shortening:	G-{d-Arg}-GDSP
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	G-{d-Arg}-GDSP is an RGD peptide analogue that binds to the adhesion receptor of integrins and inhibits cellular fibronectin attachment as well as osteoclast resorption ^[1] .
In Vitro	G-{d-Arg}-GDSP (17-850 μM, 10 days) significantly inhibits osteoclastic resorption at 170 μM in 17-day-old fetal mouse metacarpals and inhibits ⁴⁵ Ca release in osteoclast precursor-dependent bone organ culture ^[1] . G-{d-Arg}-GDSP (170 μM, 4 days) shows inhibition of anchorage of periosteal TRAP ⁺ precursors to the mineralized matrix and subsequent osteoclast formation compared with the control group ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. G van der Pluijm, et al. Integrins and osteoclastic resorption in three bone organ cultures: differential sensitivity to synthetic Arg-Gly-Asp peptides during osteoclast formation. J Bone Miner Res. 1994 Jul;9(7):1021-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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